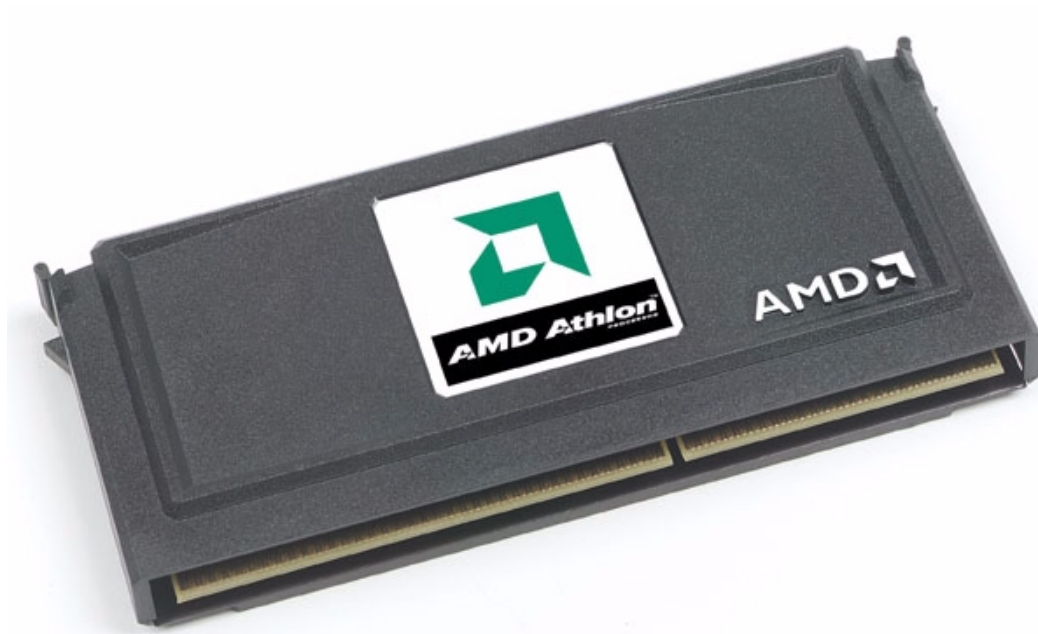


The AMD Athlon™ Processor Quick Reference Guide



It is crucial that you use the download and configuration information available at the AMD web site. The latest configuration information and drivers are available at:

www1.amd.com/athlon/config

Frequently Asked Questions (FAQ)

Recommendations for An AMD Athlon™ Processor-Based Computer

Power Supplies and Computer Cases

ONLY AMD RECOMMENDED POWER SUPPLIES SHOULD BE USED. FAILURE TO USE A RECOMMENDED POWER SUPPLY MAY RESULT IN DAMAGE TO YOUR MOTHERBOARD.

For the most current information on power supplies and cases for your AMD Athlon processor-based system, be sure to refer to the configuration information page at the following URL:

www1.amd.com/athlon/config

Q. What size power supply will I need with my AMD Athlon processor?

A. We strongly recommend a 300-watt power supply from the approved list. For the latest recommended power supply list, you must consult our web site at:

www1.amd.com/athlon/config

Q. What do I need to consider when acquiring a computer case for my AMD Athlon processor and recommended ATX motherboard?

A. You should consider the number of devices you plan to use before making your computer case purchase. The size of the tower case can have a direct impact on heat and cooling issues, and can limit the number of devices you can use. For an approved computer case list, you must consult our web site at:

www1.amd.com/athlon/config

When acquiring a computer case, make sure it has the following features:

- Designed for an ATX power supply and motherboard
- Has room for an additional rear cooling fan in the area of the processor
- Has the proper number of standoff posts for mounting your motherboard correctly and that they are aligned properly as well
- Has easy side access that doesn't require removing all of the cables first
- Has good air ventilation for proper air circulation in the case

Note: *The AMD Athlon processor was not optimized to run in a desktop case. You should use an approved mid-tower, full tower, or server case only.*

Memory

For the most current information on memory for your AMD Athlon processor-based system, be sure to refer to the configuration information page at the following URL:

www1.amd.com/athlon/config

- Q.** I already have EDO memory or 66-MHz DIMM memory. Do I have to use PC-100-MHz DIMM memory to run my AMD Athlon processor?
- A.** YES. The AMD Athlon processor does not run on EDO memory or 66-MHz DIMM memory. The AMD Athlon processor requires, at a minimum, PC-100-MHz memory. Table 1 outlines the PC-100 memory requirements.

Table 1. AMD Athlon™ Processor PC-100 Memory Requirements (PC-100 Rev 1.0 minimum)

Description	Mandatory	Preferred
Unbuffered	YES	
Speed of PC-100 memory chip	8 ns (or faster)	
CAS/Latency of either 2 or 3	3	2
Error Correction Controlled (ECC)		YES
6 ply (thickness)		YES
Lifetime warranty		YES
All of the above confirmed (written) on the invoice	YES	

- Q.** Can I mix different brands of memory in my computer?
- A.** It is not advisable because some brands of memory are incompatible with other brands regardless of whether the speed is the same or not. We recommend that you use only one brand of memory in your computer system.
- Q.** Can I mix different nanosecond speeds of my memory modules?
- A.** Yes, but it is not advisable because the system will only use the memory speed of the slowest memory chip. In other words, if you had two 32-Mbyte 7 ns memory chips and one 32-Mbyte 8 ns chip, the system memory will operate at 8 ns. We recommend you acquire memory modules of the same speed for consistent performance.

- Q.** What is the minimum amount of memory I should use with my AMD Athlon processor?
- A.** We recommend a minimum of 64 Mbytes of PC-100 memory to operate current software satisfactorily, but it is strongly recommended that you have 96 Mbytes to 128 Mbytes (or more) in order to enjoy all of the benefits that the AMD Athlon processor has to offer you.
- Q.** Can buffered memory be used with my AMD Athlon processor?
- A.** No. Use unbuffered memory only.
- Q.** Can I use generic or no-name brands of PC-100 memory with my AMD Athlon processor?
- A.** We recommend that you do not use generic or no-name memory modules because you really don't know what you're getting or what type of quality control your memory chip was subjected to. There is no way to tell compatibility of one generic or no-name memory module with another module. We strongly recommend you purchase and use well-known and approved memory modules for the following reasons:
- Uniformity and consistency of the memory module
 - Compatibility issues
 - Warranty and technical support
 - Verified specifications

Heat and Cooling Issues

- Q.** Are there any special requirements for keeping my AMD Athlon processor cool?
- A.** Yes. As with any modern processor, as well as current peripherals and components, heat is always a problem to contend with. New hard drives and devices generate a substantial amount of heat, so you should never operate your AMD Athlon processor without an approved processor heatsink and fan.

In addition to the processor cooling fan, make sure you have at least one fan (not including the power supply fan) in your case that will reduce the temperature. We recommend that the fan be in the back of the case, drawing air over the processor, and exhausting the air out the back of the case.

Many mid-tower cases allow at least one fan in the bottom-front. Since the power supply fan exhausts air out of the case, the additional fan in the bottom-front *must* draw air in.

Muffin fans (case fans) are very inexpensive and easy to install. Just be sure to mount the fan in the proper direction based upon the airflow arrow that you will find on the outer fan housing.

If you can install more than one fan, it is recommended that you have at least the same number of exhaust fans as draw fans. For example, in a full-tower case you can install two draw fans in the bottom-front and have two or three exhaust fans (including the power supply fan) in the top-back of the computer case. This arrangement provides excellent airflow throughout the case and reduces heat build-up. Be careful not to block the intake or exhaust of your fans.

Installation of Your Motherboard

Q. Are there any special requirements for installing my approved ATX motherboard?

A. No. There are no special requirements for installing your ATX motherboard, but the following recommendations will help enable proper installation:

- Perform a dry-run installation of the motherboard into the case without the AMD Athlon processor or memory installed. Get familiar with how each component positions itself and where the standoffs will fit.
- Do not plug the power supply into a wall outlet until all the components have been installed and cables are attached. This is because there is power in the system as soon as it is plugged into the wall, even when the power switch is turned off.
- If there is not a heatsink support on the motherboard, install the heatsink support that is supplied with the AMD Athlon Processor-in-a-Box.
- Do not mount the motherboard with the processor or memory installed. You may damage the components when installing the standoff screws.
- Use as many of the mounting postholes in your motherboard as possible. If you cannot use all the mounting holes in the motherboard, place non-metal spacers between the bottom of the motherboard and the case (of the same size as a standoff) to take up the slack.
- Install at least two spacers between the bottom of the motherboard and the back of the motherboard support panel in the computer case (1.5 inches to 2 inches from the top of center and bottom of center of the motherboard). This will support the area directly under the processor and the center portion of the motherboard. Rubber or nylon spacers are readily available and very inexpensive.
- Do not over-tighten the metal standoffs into the computer case.
- Do not over-tighten the metal screws that fit into the metal standoffs.
- Do not use screws for the metal standoffs that are the same size or larger than the solder ring around the mounting hole in the motherboard. (This could lead to damaging or shorting out of your motherboard.)

Using UDMA/66 (ATA-66) or UDMA/33 (ATA-33) Devices

Q. Can the AMD Athlon processor-based systems be used with UDMA/66 (ATA-66) devices (i.e. hard drives)?

A. Yes. The UDMA/66 capability of your motherboard is contingent on three factors:

- Your motherboard supports UDMA/66
- You are using a UDMA/66 device
- You have the newer UDMA/66 cable

If the wrong cable is used, you will experience corrupted installations and loading of programs, system lockups, and various other types of failures.

If you are using UDMA/33 (ATA-33) devices, your motherboard will automatically default to UDMA/33 (as long as the motherboard supports UDMA/33 as well).

Installing the AMD Athlon™ Processor on the Motherboard

Q. Is there any special way to install the AMD Athlon processor on my motherboard?

A. Yes. Refer to the AMD Athlon Processor Installation Guide that comes with your AMD Athlon Processor-in-a-Box product.

Installing IDE and Diskette Drive Cables

Q. How do I install my IDE and floppy drive cables on my motherboard?

A. Most cables supplied by motherboard manufacturers have a tooth or key in the center of the end of the cable connector that matches up against the notch cutout on the connector end of the device you're hooking the cable connector up to (i.e. hard drive, CD-ROM, etc).

If there is no key on your IDE or diskette drive cable, use the red stripe located on the side of the cable as a guide. The red stripe should correspond to pin one on the cable connector. The pin number location is printed on the motherboard.

Installing a Previously Configured Hard Drive

- Q.** Can I use my original, preconfigured hard drive from my old computer since it already has all my programs and stuff loaded on it?
- A.** To optimize the performance of your new AMD Athlon processor-based system, you should use a new high-performance drive (UDMA/66 or Ultra-SCSI) as your primary drive. Then use your older drive as a secondary drive so you can access your current data.

If you wish to use your current drive as your primary drive, we strongly recommend you back up all your valuable data and critical files first before attempting this. Most of the time, you will be able to transfer the drive from a recently built system to your new AMD Athlon processor-based system with no problems. Drives from some systems (especially older systems) will not tolerate this. (Subtle variations can occur in the specifications like signal timing and intensity between two different controllers.) Even if the drive will work, you should expect to load current drivers and reload some of your software.

Ideally, to reuse an old drive, you should departition and repartition the hard drive (using the FDISK command), and format the drive (using the FORMAT command). Then do a fresh installation of your operating system, install the AMD Athlon platform-specific drivers, and install the applications. This way, your system is loaded with the settings and configuration that your motherboard and the AMD Athlon processor-based system require. Your data (but not operating system or applications) can then be copied from your backups.

Motherboard Drivers

Please note that with constantly changing specifications and enhancements, motherboard drivers are subject to being updated. Check the configuration information web page at the following URL for updates:

www1.amd.com/athlon/config

- Q.** Do I need any special motherboard drivers for proper installation of my AMD Athlon processor and motherboard? If so, what are they and where do I get them?
- A.** Yes. To date there are two drivers designed for motherboards for proper installation and performance of your operating system(s) and hardware with the AMD Athlon processor. The motherboard drivers should have been included on the floppy disk or CD_ROM that was included with your motherboard. Table 2 shows the versions of these drivers as of August 6th, 1999.

Table 2. AMD Athlon™ Processor Motherboard Drivers

Description	Version	Date Updated
AGP Miniport Driver (Windows 95 and Windows 98, not required for Windows NT)	4.45	08-06-1999
IDE Bus Master Driver (For motherboards with the AMD-756 peripheral bus controller)	1.11RC	08-06-1999

Note: *These drivers should be loaded immediately after your operating system is installed and before you load your video drivers for your specific video card.*

Installation of Your Operating System—What Hardware to Install

Q. What hardware should I have in my computer when I am ready to load my operating system?

A. We strongly recommend that you have no more than the following peripherals and components installed at the time you load your operating system:

- Processor and heatsink
- Processor fan
- Memory module (use only one to start with)
- VGA-compatible graphics card
- Hard drive
- CD-ROM drive
- Diskette Drive
- Keyboard
- Mouse

We recommend only these core components because if you can't get the operating system to properly load and configure with these core components, you will have more problems with other devices installed. Having a sound card, 3D graphics accelerator, modem, or other devices would only confuse the diagnostic process.

After your operating system has been successfully loaded, make sure that you set your video card up in generic VGA mode. Do not load your video card drivers until you have loaded all motherboard drivers. You will need to load the following specific motherboard drivers before you should continue loading your additional hardware and software:

- AGP Miniport Driver, Version 4.45
(Windows 95 and Windows 98, not required for Windows NT)
- IDE Bus Master Driver, Version 1.11RC
(For motherboards with the AMD-756™ peripheral bus controller)

Once these two drivers are loaded, you will be ready to continue installing components, software, and configuring your system. Just be sure to reset your computer system after loading each of these drivers for successful installation and configuration.

Migrating Peripherals and Components

- Q.** Can I use all of my peripherals and components presently in my old computer in my new AMD Athlon computer?

First, you must understand that the AMD Athlon is a new generation of processor that also requires a new generation of motherboard. Check with the device vendor to see if they have developed drivers for AMD Athlon processor-based systems.

- A.** However, some components, peripherals, and software presently compatible in your older computer:
- May not have current fixes or drivers for satisfactory performance
 - May not work with various software applications
 - May experience intermittent problems
 - May not be compatible

For these reasons, it is important to check the AMD web site at www1.amd.com/athlon/config for the most up-to-date list of recommended components and drivers.

- Q.** What about compatibility issues with legacy or end-of-life components and my AMD Athlon computer?
- A.** Legacy or end-of-life (EOL) components and peripherals are usually no longer supported by their manufacturers. In many cases, modern software cannot be used with them, especially current operating systems and application software. In most cases, drivers are no longer researched and developed for legacy and EOL components.

In order to get the best performance from your AMD Athlon processor and recommended motherboard, we recommend using current-production components and peripherals that support the AMD Athlon processor. Again, for these reasons, it is very important to check the AMD web site at www1.amd.com/athlon/config for the most up-to-date list of compatible components, peripherals, and drivers.

ISA Components—Limitations

- Q.** Can I use my older ISA components, such as an ISA video card?
- A.** Most will work, however, there are specific limitations of older generation, legacy, and end-of-life components (i.e. ISA video cards, etc). Check with the device vendor to see if they have developed drivers for AMD Athlon processor-based systems.

Miscellaneous Rules to Practice—Ideas, Tips, and Important Information

- Q.** Is there anything else I should know before I build my AMD Athlon processor-based computer?
- A.** Well, there are hundreds of tips and suggestions that we could make but there just isn't enough room. That's what our web site is all about. By visiting our web site regularly, you will be able to keep up on all the new information, building tips, and suggestions to optimize your computer and its performance. On our web site you will find just a few of these helpful and constructive areas:
- Listings of recommended peripherals, components, and accessories that are updated on a regular basis
 - Installation and configuration recommendations, tips, and information that is updated on a regular basis
 - Setup and optimizing ideas and tips to make your AMD Athlon processor run at its very best
 - New products and information releases regarding your AMD Athlon to keep you up to date
 - Up-to-date listings and links of drivers for your approved motherboards
 - FAQs, updated on a regular basis, to assist you in many aspects of building and maintaining your AMD Athlon processor-based computer
 - The e-mail address and telephone number for competent and qualified technical support

Here are a few immediate tips or suggestions:

- Before you start working on your computer or handling sensitive components, always use some type of static protection. Static is the number one killer of electrical components and parts. A simple wristband static protection device (that plugs into a regular electrical wall socket) will cost around \$40.00. It will be the best investment you can make for your future computer building endeavors.
- Never add or remove any device, peripheral, accessory, component, cable, or mouse while the system is plugged into the wall.
- Anytime that you load a program, application or utility, when you have completed loading it, properly exit and shut your system down completely. This allows you to purge the system memory completely and results in the most successful installation of your software. This is especially true when you have loaded a big application and the system doesn't ask to be reset.
- Do not try to build your whole computer system in a night. Take your time. Build it in stages. Most mistakes will be made when you are tired. Learn to take breaks, and most important, learn to call it quits for the day.

Technical Support

Q. Where do I go for technical support? Who do I call?

A. phone: (408) 749-3060

E-mail: hw.support@amd.com

Compatible Components List

The compatible components are listed in the following tables:

- Power Supplies (See Table 3)
- PC Enclosures (Cases) (See Table 4)
- Memory (See Table 5 for Microstar motherboard memory)
- Various Peripheral Devices (See Table 6)
 - 3.5-inch Diskette Drives
 - CD-ROM/DVD Drives
 - Video Cards
 - Sound Cards
 - Hard Disk Drives
 - SCSI Controllers
 - Keyboards
 - Mice
 - Joysticks
 - USB Devices

Table 3. Recommended Power Supply List (Revised 08-06-99)

Vendor	Part Number	Output Wattage	Combined +3V and +5V Power	Form Factor	Rear Case Fan Required	Maximum Supported Frequency
AGI	HP-235 ATX	235 W	145 W	ATX	NO	700 MHz
American Media Systems	CWT-300ATX	300 W	160 W	ATX	NO	800 MHz
Astec	SA302-3515	300 W	170 W	ATX	NO	800 MHz
Delta Electronics Inc.	DPS-200PB-103A	250 W	145 W	ATX	NO	700 MHz
Delta Electronics Inc.	DPS-338AB C rev:00	330 W	220 W	NLX	YES	800 MHz
Emacs	AP2-5300F-RV2	300 W	175 W	ATX	NO	800 MHz
Enlight Corp.	HPC-250G2 rev: A1-01	250 W	150 W	ATX	NO	800 MHz
Ever Power	CWT-300ATX	300 W	160 W	ATX	NO	600 MHz
Leadman Electronic	LP-6100	400 W	155 W	ATX	NO	800 MHz
Powerman	FSP300-60GT	300 W	145 W	ATX	NO	700 MHz
Sparkle Power (SPI)	FSP300-60GT	300 W	150 W	ATX	NO	800 MHz
PC Power and Cooling	Turbo-Cool 300ATX	300 W	150 W	ATX	NO	800 MHz

Table 4. Recommended Enclosure (Case) List (Revised 08-06-99)

Vendor	Model	Form Factor	ATX 2.01 Supply	Rear Fan Tested	Maximum Frequency
Antec	KS-282	Mid-Tower	ATX required	80x80x25 FKI	650 MHz
Avance	CI-8A04	Mini-Tower	Not Applicable	No Slot	600 MHz
Fong Kai	FK-318	Mid-Tower	ATX required	80x80x25 FKI	650 MHz
Min Maw	MM3713	Mid-Tower	ATX required	60x60x25 Papst	650 MHz
Palo Alto Products	ATCX	Mid-Tower	ATX required	80x80x25 Sunon	650 MHz
Yeong Yang	YY-5381	Mid-Tower	ATX required	80x80x25 FKI	650 MHz
Yeong Yang	YY-5271	Mid-Tower	ATX Required	No Slot	600 MHz

Table 5. Microstar Motherboard Recommended Memory List (Revised 08-06-99)

Manufacturer	Model Number (IC Part Number)	Type	Size
Fujitsu (BUFFALO)	81F16822D-102LFN (ECC)	SDRAM	32MB
LGS (Apacer)	GM72V661641CTJ7	SDRAM	32MB
Micron	MT48LC4M16A2TG-8C	SDRAM	32MB
NEC (BUFFALO)	D4516821AG5-A10-7JF (ECC)	SDRAM	32MB
SEC	KM48S2020CT-GH (ECC)	SDRAM	32MB
SEC (BUFFALO)	KM48S2020CT-GH (ECC)	SDRAM	32MB
TI	TMS626812BDGE5H-8 (ECC)	SDRAM	32MB
Toshiba (ARMAS)	TC59S1608AFT-10	SDRAM	32MB
Hitachi (PQI)	HM5264165TTB60	SDRAM	64MB
Hitachi (PQI)	HM5264805TTB60	SDRAM	64MB
Hyundai	HY57V658020ATC-74 (ECC)	SDRAM	64MB
Hyundai (PQI)	HY57V651620ATC-10S	SDRAM	64MB
LGS	GM72V66841CT7J	SDRAM	64MB
LGS (Apacer)	GM72V661641CT7J	SDRAM	64MB
LGS (Apacer)	GM72V66841CT7J	SDRAM	64MB
Micron	MT48LC8M8A2TG-8C	SDRAM	64MB
Micron	MT48LC8M8A2TG-8B (ECC)	SDRAM	64MB
Micron	MT48LC8M8A2TG-8E	SDRAM	64MB
Micron (E-Ton)	MT48LC8M8A2TG-8E	SDRAM	64MB
Mitsubishi (BUFFALO)	M5M4V64S30ATP (ECC)	SDRAM	64MB
NEC (BUFFALO)	D456841G5-A10-9JF (ECC)	SDRAM	64MB
NEC (PQI)	D4564163G5-A10B-9JF	SDRAM	64MB
SEC (BUFFALO)	KM48S8030BT-GH (ECC)	SDRAM	64MB
Toshiba (BUFFALO)	TC59S6408FTL-80H (ECC)	SDRAM	64MB
Toshiba	TC59S6408FTL-80H	SDRAM	64MB
Mosel (Turbo)	V54C365804VBT8PC	SDRAM	64MB
Mosel (Unifosa)	V54C365804VBT8PC	SDRAM	64MB
Fujitsu (BUFFALO)	81F64842B-103FN (ECC)	SDRAM	128MB
LGS (PQI)	GM72V66841CT7J	SDRAM	128MB
LGS	GM72V66841CT7J	SDRAM	128MB
NEC	D4564841G5-A10B-9JF)	SDRAM	128MB
SEC	KM48S8030BT-GH	SDRAM	128MB
Toshiba (BUFFALO)	TC59S6408FTL-80H (ECC)	SDRAM	128MB

Table 5. Microstar Motherboard Recommended Memory List (Revised 08-06-99) (continued)

Manufacturer	Model Number (IC Part Number)	Type	Size
Micron	MT48LC8M8A2TG-8E	SDRAM	128MB
SEC	KM48S16030T-GL	SDRAM	256MB
SEC	KMM377S3227BT1-GL (ECC)	SDRAM	256MB

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99)

Component	Manufacturer	Model	Interface Style
3.5-inch Diskette Drive	Citizen		
	Panasonic		
	TEAC		
	Sony		
CD-ROM	Acer	40X	IDE
	Creative Labs	48X	IDE
	Goldstar	Various	IDE
	Kenwood	42X, 52X TrueX Series	IDE
	Kenwood	52X	SCSI
	Memorex	48X	IDE
	Plextor	32X, 40X	SCSI
	Sony	24X	SCSI
	Sony	32X	IDE
	Teac	32X	IDE, SCSI
	Toshiba	40X	IDE, SCSI

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99) (continued)

Component	Manufacturer	Model	Interface Style
Video	3dfx	V2 1000	PCI
	3dfx	Voodoo3 3000	AGP
	3dfx	Voodoo3 2000	AGP, PCI
	ATI	Rage Fury	AGP
	ATI	All-in-Wonder 128	AGP, PCI
	ATI	Xpert 128	AGP
	ATI	Xpert 98	AGP, PCI
	ATI	Xpert @ Play 98	AGP, PCI
	ATI	Xpert 128 Rage Fury	AGP
	Creative Labs	3D Blaster Savage	AGP, PCI
	Creative Labs	3D Blaster RIVA TNT2 U	AGP
	Diamond	Viper 770 Ultra	AGP
	Diamond	Viper 770	AGP
	Diamond	Viper 550	AGP, PCI
	Diamond	Viper 330	AGP, PCI
	Diamond	Stealth III S540	AGP
	Diamond	Monster Fusion	AGP, PCI
	Diamond	Stealth II G460	
	Diamond	Stealth II S220	
	Diamond	Stealth 3D 2000 Series	PCI
	ELSA	Gloria-XXL	
	ELSA	Gloria XL	
	ELSA	Erazor III	
	ELSA	Erazor III Ultra	
	Guillemot	Xentor 32	
	Guillemot	Maxigamer Phoenix 2	
	Hercules	Dynamite TNT2	
	Hercules	Terminator Beast	
	Hercules	Stingray/2	
	Hercules	Dynamite 3D/GL	
	Hercules	Stingray 128/3D	
	Matrox	Millennium G200	AGP
	Matrox	Marvel G200	
	Matrox	Mystique G200	

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99) (continued)

Component	Manufacturer	Model	Interface Style
Video (continued)	Matrox	Productiva G100	
	Matrox	Millennium G400	
	Orchard (Diamond)	Fahrenheit 1280	
	Orchard (Diamond)	Righteous 3D	
	Paradise	128/S3 Savage 3D	AGP
	Paradise	Hawaii 128	AGP
	Paradise	Bahamas	
	S3	Savage4	
	S3	Savage 3D	
	S3	Trio3D	
	S3	Trio64V2	
	STB (3dfx)	Velocity 128	
	STB (3dfx)	Velocity 4400	
Sound Card	Creative Labs	SoundBlaster 16PnP	ISA
	Creative Labs	SoundBlaster PCI16	PCI
	Creative Labs	SoundBlaster PCI128	PCI
	Creative Labs	SoundBlaster Live!	PCI
	Diamond	Monster Sound MX200	PCI
	Diamond	Monster Sound MX300	PCI
	Orchard	NuSound PnP	
	Orchard	SoundWave 32	
	Orchard	GameWave 32	
	Orchard	GameWave Plus	
	Voyetra Turtle Beach	Montego II Quadzilla	
	Voyetra Turtle Beach	Montego II	PCI
	Voyetra Turtle Beach	Daytona PCI	PCI
	Voyetra Turtle Beach	Cancun FX	
Modem	3COM (USR)	56K V.90 Voice/Fax	External/Internal
	3COM (USR)	56K V.90 Winmodem	PCI, Internal

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99) (continued)

Component	Manufacturer	Model	Interface Style
Modem (continued)	ActionTec	56K PCI	Internal, PCI
	ActionTec	56K V.90 DeskLink	Internal
	Creative Labs	56K V.90 Modem Blaster	ISA
	Creative Labs	56K V.90 Modem Blaster	ISA
	Diamond	56K V.90 SupraExpress	ISA
	Diamond	56K V.90 PCI Windows	Internal, PCI
	Maxtech (GVC)	56K V.90 PCI PnP	Internal, PCI
	Paradise	56K V.90 PCI WaveCom	PCI, Internal
	Zoom	56K V.90 Faxmodem	Internal
Hard Disk	Fujitsu	3.24G, 4.3G, 6.4G, 8.4G, 9.1G, 10.8G, 13.7G, 18.2G	IDE, UDMA33, UDMA66
	Fujitsu	4.55G, 9.1G, 18.2G	SCSI
	Hewlett Packard	4.3G, 6.4G, 10.1G	IDE
	IBM	Deskstar Series, 6.4G, 8.4G	IDE
	Maxtor	DiamondMax 4320 Series, 4.3G, 8.4G, 13.0G, 17.2G	IDE
	Maxtor	DiamondMax 6800 Series, 6.8G, 10.2G, 13.6G	IDE, UDMA66
	Maxtor	DiamondMax Plus 5120 Series, 10.2G, 15.3G	IDE
	Quantum	Fireball CR Series, 4.3G, 6.4G, 8.4G, 12.7G	IDE UDMA66
	Quantum	Fireball EX Series, 6.45G, 10.2G, 12.75G	IDE
	Quantum	Fireball CX Series, 6.4G, 10.2G, 13.0G, 20.1G	IDE, UDMA/66
	Quantum	Fireball ST Series, 3.23G	SCSI
	Quantum	Fireball Plus KA Series, 6.4G, 9.1G, 13.6G, 18.2GB	IDE UDMA66
	Quantum	Fireball EL Series, 10.G	IDE
	Quantum	Viking II Series, 4.5G, 9.1G	SCSI
	Quantum	Atlas III Series, 9.1G, 18.2G	SCSI
	Quantum	Atlas IV Series, 9.1G, 18.2G	SCSI
	Quantum	Bigfoot TX, 8.0G	IDE
	Quantum	Bigfoot TS, 6.4G, 12.7G	IDE

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99) (continued)

Component	Manufacturer	Model	Interface Style
Hard Disk (Continued)	Seagate	ST11200N (1.05G), ST11201N (1.05G), ST11900N (1.7G), ST11900W (1.7G), ST11950N (1.07G), ST12400N (2.15G), ST12400W (2.15G), ST14207N (4.29G), ST14207W (4.29G), ST15150WC (4.29G), ST15230N (4.29G), ST19101N (9.0G), ST19101W (9.0G)	SCSI
	Seagate	ST34311A (4.33G), ST36421A (6.45G), ST38422A (8.62G), ST310232A (10.24G), ST317242A (17.25G)	IDE, UDMA66
	Seagate	ST33221A (3.23G), ST34311A (4.33G), ST34520A (4.55G), ST35120A (5.12G), ST36422A (6.4G), ST36530A (6.51G), ST38420A (8.62G), ST39140A (9.12G), ST310240A (10.24G), ST313640A (13.6G), ST31724A (17.25G)	IDE
	Seagate	ST32112A (2.16G), ST3321A (3.25G), ST33223A (3.25G), ST34321A (4.3G), ST34520A (4.55G), ST36530A (6.51G), ST36531A (6.51G), ST38641A (8.61G), ST39140A (9.12G), ST310230A (10.24G), ST313030A (13.02G), ST317240A (17.25G)	IDE, ATA
	Western Digital	Caviar Series, 4.3G, 6.4G, 8.4G, 9.1G, 10.3G, 13.0G, 17.2G, 18.0G and 20.0G	IDE, UDMA33, UDMA66
	Western Digital	Caviar Series, 4.55G, 9.15G and 18.3G	SCSI
	Western Digital	Rebel Series, 6.4G, 13.6G, 20.5G	IDE, UDMA66
	Western Digital	WD Enterprise Series, 4.36G, 4.5G, 9.1G	SCSI
	Western Digital	Triton Series, 9.1G, 18.3G	SCSI

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99) (continued)

Component	Manufacturer	Model	Interface Style
SCSI Controller	Adaptec	2940, 2940U, 2940UW, 2940U2W, AAA131CA, AAA131SA, AAA131U2	PCI
	DPT	2 Channel Ultra 2, 3 Channel Ultra 2	PCI
	Initio	Highway	PCI
Keyboards	Alps	104 Keyboard	
	Belkin	USB Keyboard	USB
	KeyTronic	EgroForce	
	KeyTronic	Windows 95	
	KeyTronic	104 Keyboard	
	KeyTronic	Lifetime Classic	
	Micro Innovations	Micro Rave	
	Micro Innovations	Micro 1000	
	Microsoft	Ergonomic Windows 95	
	NMB	The Right Touch	
Mice	Belkin	3-Button	USB
	Kensington	WebRacer	
	Kensington	Orbit	
	Kensington	Value 2-Button	
	Logitech	MouseMan Wheel Mouse	USB
	Logitech	Cordless Desktop	
	Micro Innovations	Micro Track Windows 98	
	Micro Innovations	Micro Precision 2-Button	
	Microsoft	Standard, AT and PS2	OEM and Retail
	Microsoft	Wheel Mouse, AT and PS2	OEM and Retail

Table 6. AMD Athlon™ Processor Component Compatibility List (Revised 08-04-99) (continued)

Component	Manufacturer	Model	Interface Style
Joystick	Suncom	F-15 Talon	
	Suncom	SFS Strike Fighter	
	Suncom	SFX Plus	
	Suncom	SFS Strike Eagle	
	Logitech	Wingman	
	Microsoft	Sidewinder	
	CH Products	Force FX	Force Feedback
	CH Products	F-16 Fighter Stick	
	CH Products	GameStick	
	CH Products	GameStick 3D	USB
	CH Products	Flight Stick	
	CH Products	Flight Stick Pro	
	Thrustmaster	F-22	
	Thrustmaster	X-Fighter	
	Thrustmaster	XL-USNF	
	Thrustmaster	Millennium 3D Joystick	
USB	Various	See throughout list	

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